

Work Order ID 150510

Thursday, August 25, 2016 10:33:49 AM

150510

Page 1

Item ID: D350-822-011

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/19/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date: AUG 25 2016

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-822	F								

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D350-822-011 CHG002

DAS
27
9-89

SEP 30 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
6
9-89

AUG 30 2016

DAS
28
9-89

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.01

Quality Control

DAS
27
9-89

SEP 30 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Stop

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Cust Item ID:

Required Date: 9/19/2016 Req'd Qty: 1.00

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Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

125

Consignment Stock

0.00

125

Outsourc10

Consignment stock

Memo

0.00

Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD

PO 31800

(Send copy of PO to Pall - James)

Issue W/O LINE item for Pall for amount sold on sales order S/O 125515
according to sales price see Warran for amount. (if sale price is \$23,000 -
amount is \$13,400)PO can be received immediately and given to finance in order to close work
order.

130

0.00

130

Packaging

Packaging

Packaging

Memo

0.01

Identify and pack for shipping as per PPP D350-822-011

Location: _____

B SoldDAS
27
9-89
DAS
28
9-89

SEP 30 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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NS1

Revision ID:

Stop

NS2

Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/19/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.02

DAS
21
9-89

OCT 03 2016

Quality Control

Jem 16/09/30

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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OTHER : _____																																																															

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 1

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP
REV:B 14.06.18 AS PER IIN REV.C DD VERF:JLM IPP REV:C
15.06.03 AS PER IIN REV.D DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

NAS1149D0332J

Purchased

No

Each

1,122.000

58

NAS1149D0332.J

Washer

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

6

m129682

6

FP001

522

m134848

522

GA

463

m135046

463

ST264

131

m135046

131

88

QR10616

Purchased

No

Each

21.0000

1

QR10616

Vortex Tube Repair

**

DAS
28
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

1

m129631

1

m134946

6

m135354

10

QC INSP

4

m133995

4

1

AUG 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coor. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
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Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
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LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			

Picklist Print

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Page 2

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

QB21304

Purchased

No

Each

18.0000

1

QB21304

PUREair Panel Assembly

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

fg108

16

m134946

6

m135354

10

MEZZpall

2

118409

2

QB21310

Purchased

No

Each

17.0000

1

QB21310

Transition Duct Assembly

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

fg108

1

m129631

1

m134946

6

m135354

10

QB21308

Purchased

No

Each

16.0000

1

QB21308

Fod Screen Assembly

**

DAS
6
9-89
DAS
28
9-89

Location

Loc Qty

Loc Code

fg108

16

m134946

6

m135354

10

DAS
27
9-89

AUG 31 2016

DQA: _____ Date: _____



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Misidentified ☐	☐	Past Due ☐																							

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150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

LN29985-A05

Purchased

No

Each

330.0000

15

I N29985-A05

Anchor Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

150

~~m135354~~

150

ST563

180

m133062

15

~~m134976~~

165

Each

769.0000

56

LN9038-05018

Purchased

No

I N9038-05018

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

560

~~M135354~~

560

ST564

209

M134586

30

M134969

79

~~M135083~~

100

Each

932.0000

56

BS4320-A5

Purchased

No

BS4320-A5

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

fg108

908

M134946

398

M135354

510

MEZZpall

24

M129914

24

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																							
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Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																			
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Misidentified ☐	☐	Past Due ☐																							

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 4

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS20426AD3-3

Purchased

No

Each

6,616.000

40

MS20426AD3-3

RIVET

**

DAS 28
6 9-89

Location

Loc Qty

Loc Code

fg108

400

M135354

400

GA

80

M131624

80

ST312

6136

M135274

6136

Each

14.0000

1

**

DAS 28
6 9-89

650.0401

Purchased

No

650 0401

PUREair Fairing Assembly

DAS 27
9-89

Location

Loc Qty

Loc Code

FG109

14

132155

14

Each

6.0000

1

**

DAS 28
6 9-89

D4925-041

Manufactured

No

D4925-041

Mounting Plate Assembly

DAS 27
9-89

Location

Loc Qty

Loc Code

ST218

6

143440

6

Each

12.0000

1

**

DAS 28
6 9-89

D4931-1

Manufactured

No

D4931-1

Engine Fitting (for acft models B2 & previous)

DAS 27
9-89

Location

Loc Qty

Loc Code

st138

12

144653

12

AUG 31 2016

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Large Fab ☐	Composite ☐	Supplier ☐																			
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																
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Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 5

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D4931-3

Manufactured No

Each

3.0000

D4931-3

Engine Fitting (for B3 models)

**

DAS
27
9-89

Location

Loc Qty

Loc Code

st138

3

120907

3

D4931-5

Manufactured No

Each

6.0000

D4931-5

Engine Fitting (for B3e models)

**

DAS
27
9-89

Location

Loc Qty

Loc Code

st138

6

120908

6

D4935-1

Manufactured No

Each

39.0000

D4935-1

Mounting Bracket

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST139

39

146511

39

D4943-1

Manufactured No

Each

22.0000

D4943-1

Flex Hose

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST220a

8

119754

8

st220b

14

119751

6

119752

8

1
150522
SEP 11 9 2016
DAS 28 9-89
DAS 28 9-89

1
DAS 6 28 9-89
DAS 28 9-89

1
6
DAS 6 28 9-89
DAS 28 9-89

1
1
DAS 6 28 9-89
DAS 28 9-89

AUG 31 2016

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 5

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							Completed By																		
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Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
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Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
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LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
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Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 6

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D4961-041

Manufactured No

Each

12.0000

1

D4961-041

Tube Assembly

**

DAS 28
6 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

FG

1

145204

1

ST139

11

146889

11

D4961-043

Manufactured No

Each

3.0000

1

D4961-043

Tube Assembly

**

149865

DAS 28
6 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

ST140

3

145205

1

147250

2

D5079-1

Purchased No

Each

18.0000

2

D5079-1

Placard, EAPS

**

DAS 28
6 9-89

DAS 27
9-89

Location

Loc Qty

Loc Code

ST148

18

147059

4

147191

14

6/16/2017

2

D5090-041

Manufactured No

Each

0.0000

1

D5090-041

Duct Assembly

**

DAS 28
6 9-89

DAS 28
6 9-89

DAS 27
9-89

149865

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 6

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OTHER : _____																																																																																				

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 7

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D5105-1

Manufactured No

Each

34.0000

D5105-1

Handle

DAS 28
6 9-89

Location

Loc Qty

Loc Code

st151

34

144642

7

149869

27

D5110-1

Manufactured No

Each

6.0000

D5110-1

Swivel Nut Fitting

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST152

6

143630

6

D5179-1

Manufactured No

Each

45.0000

D5179-1

Doubler

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST220

45

146830

12

149870

33

D5179-3

Manufactured No

Each

24.0000

D5179-3

Doubler

DAS 28
6 9-89

Location

Loc Qty

Loc Code

ST220

24

144651

4

149875

20

AUG 31 2016

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 8

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

D5194-1 Manufactured No

Each 30.0000

D5194-1

Doubler

**

DAS
6DA
9-89
28
9-89

AUG 31 2016

Location

Loc Qty

Loc Code

ST220

30

144649

6

149874

24

D5208-041 Manufactured No

Each 9.0000

D5208-041

Blanking Plate Assembly

**

DAS
6
9-89

SEP 27 2016
DAS
28
9-89

Location

Loc Qty

Loc Code

ST158

9

146792

9

8411999090 Purchased No

Each 0.0000

8411999090

Gasket - P/N 9752100180

9752018044

**

DAS
6
9-89
28
9-89

134540

Location

Loc Qty

Loc Code

ST589

13

m134540

5

m134710

8

9945000120 Purchased No

Each 13.0000

9945000120

Gasket (for B3e models)

**

DAS
6DAS
9-89
28
9-89

AUG 31 2016

Location

Loc Qty

Loc Code

ST589

13

m134540

5

m134710

8

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																	
Root Cause		FAULT CATEGORY																							
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐		Power Loss/Surge ☐		Positioned Wrong ☐															
Design ☐		Operator ☐		Bending ☐		Set-up ☐		Folio/Program ☐		Outside Dimensions ☐															
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐		Grain ☐		Over/Under tolerance ☐															
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐		Weld ☐		Part Incorrect ☐															
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐		Wrong Stock Pulled ☐		Part Lost/Missing ☐															
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐		Out of Sequence ☐		Part Moved ☐															
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐		Off-set ☐		Drawing ☐															
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐		Mislabeled ☐		Finish ☐															
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐		Fit/Function ☐		Misread ☐															
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐		Misaligned/off center ☐		Turning Sequence ☐															
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____																					
Misidentified ☐		Past Due ☐																							

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 9

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

23350CA050

Purchased No

Each 45.0000

23350CA050

WASHER

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST568

45

m129609

45

AN821-12J

Purchased No

Each 15.0000

AN821-12J

Elbow (or AN821-12K or 12S)

**

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER007

10

m134955

10

ST324

5

m134544

5

AN929-12J

Purchased No

Each 15.0000

AN929-12J

Cap

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST322

15

m129764

3

m134861

12

EN3686-050016

Purchased No

Each 6.0000

FN3686-050016

Screw

**

DAS
7
89

Location

Loc Qty

Loc Code

ST559

6

m134586

6

DAS
6
9-89
DAS
28
9-89

DAS
6
9-89
DAS
28
9-89

DAS
6
9-89
DAS
28
9-89

AUG 30 2016

DAS
6
9-89
DAS
28
9-89

SEP 19 2016

1355-414x/
135 663x/

Thursday, August 25, 2016 10:33:53 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			

Picklist Print

Thursday, August 25, 2016 10:33:53 AM

Page 10

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

LN9038-05012

Purchased No

Each 96.0000

I N9038-05012

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

96

m134976

96

LN9038-05040

Purchased No

Each 22.0000

I N9038-05040

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

22

m134466

2

m134976

20

LN9348-05

Purchased No

Each 210.0000

I N9348-05

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

210

m134466

10

m134976

200

MS20470AD3-4

Purchased No

Each 1,044.000

MS20470AD3-4

Rivet, Universal Head

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

268

111477

268

ST310

776

111477

776

32

**

135544

DAS
6
9-89
AUG 31 2016
DAS
28
9-89

1

**

DAS
6
9-89
DAS
28
9-89

26

**

DAS
6
9-89
DAS
28
9-89

26

18

**

DAS
6
9-89
DAS
28
9-89
AUG 30 2016

19

Thursday, August 25, 2016 10:33:54 AM

Shop Packet Print

Page 10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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Design ☐	Operator ☐																																																																			
Doc/Data ☐	Offset/Setup ☐																																																																			
Equip/Tooling ☐	Supplier ☐																																																																			
Handling/Pre ☐	Training ☐																																																																			
Material ☐	Use for Testing ☐																																																																			
Internal Transport ☐	Poor Information ☐																																																																			
Tribal Knowledge ☐	Rushing ☐																																																																			
LOA ☐	Product Improvement ☐																																																																			
Substation ☐	Process Improvement ☐																																																																			
Past Expiry Date ☐	Manufacturing Process ☐																																																																			
Misidentified ☐	Past Due ☐																																																																			
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																	
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																	
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																	
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																	
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																	
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																	
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																	
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																	
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																	
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																	
OTHER :																																																																				

Picklist Print

Thursday, August 25, 2016 10:33:54 AM

Page 11

Work Order ID: 150510

150510

Parent Item: D350-822-011

D350-822-011

Parent Item Name: PA100 PUREair System for AS350/EC130

Start Date: 8/29/2016

Required Date: 9/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21919WCH12

Purchased

No

Each

7.0000

1

MS21919WCH12

Clamp

DAS
27
9-89

Location

Loc Qty

Loc Code

ST291

7

m134527

7

Each

13.0000

1

MS9592-138

Purchased

No

MS9592-138

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST267

13

m132479

13

Each

18.0000

1

NAS43DD3-64

Purchased

No

NAS43DD3-64

Spacer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

8

m132461

8

ST550

10

m134544

10

AUG 30 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition																					
								Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
2	2	23350CA050	LOCKING TAB
2	2	AN821-12J	ELBOW (OR AN821-12K OR AN821-12S)
1	1	AN929-12J	CAP
58	58	BS4320-A5	WASHER (OR NAS1149D0332J)
2	2	EN3686-050016	SCREW
32	32	LN9038-05012	BOLT
1	1	LN9038-05040	BOLT
26	26	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WHG12	CLAMP
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE